

# Mathematics

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## Ratios and Proportional Relationships

- Understand ratio concepts and use ratio reasoning to solve problems.

## The Number System

- Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
- Compute fluently with multi-digit numbers and find common factors and multiples.
- Apply and extend previous understandings of numbers to the system of rational numbers.

## Expressions and Equations

- Apply and extend previous understandings of arithmetic to algebraic expressions.
- Reason about and solve one-variable equations and inequalities.
- Represent and analyze quantitative relationships between dependent and independent variables.

## Geometry

- Solve real-world and mathematical problems involving area, surface area, and volume.

## Statistics and Probability

- Develop understanding of statistical variability.
- Summarize and describe distributions.

## Mathematical Practices

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

# Science

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## Physical Science

- Matter and its Interactions.
- Motion and Stability: Forces and Interactions.
- Energy.
- Waves and their Applications in Technologies for Information Transfer.

## Life Science

- From Molecules to Organisms: Structures and Processes.
- Ecosystems: Interactions, Energy, and Dynamics.
- Heredity: Inheritance and Variation of Traits.
- Biological Evolution: Unity and Diversity.

## Earth and Space Sciences

- Earth's Place in the Universe.
- Earth's Systems.
- Earth and Human Activity.

## Engineering, Technology & Application

- Engineering Design.

## Weekly STEM Lab Activities

# Social Studies

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- Civics
- Economics
- Geography
- History
- Social Studies Skills

# Bible

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Students will learn how to apply their Christian faith to every area of life: theology, philosophy, ethics, biology, sociology, psychology, law, politics, economics, and history.

Each theme will focus on the four relationships of creation. Each theme also develops four Biblical Truths within the framework of creation, fall, and redemption.



# Sixth Grade Curriculum

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*Educate the Mind  
Nurture the Spirit  
Change the World*

Matthew 5:14-16

“You are the light of the world. A city set on a hill cannot be hid. Nor do men light a lamp and put it under a bushel, but on a stand, and it gives light to all in the house. Let your light so shine before men, that they may see your good works and give glory to your Father who is in heaven.”



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## Sixth Grade Reading

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### Read Grade Level Text

- Read and comprehend text accurately.

### Comprehension: Key Ideas and Details

- Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
- Determine a theme or central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.
- Describe how a particular story's or drama's plot unfolds in a series of episodes as well as how the characters respond or change as the plot moves toward a resolution.

### Comprehension: Craft and Structure

- Determine the meaning of words and phrases as they are used in a text, including figurative and connotative meanings; analyze the impact of a specific word choice on meaning and tone.
- Analyze how a particular sentence, chapter, scene, or stanza fits into the overall structure of a text and contributes to the development of the theme, setting, or plot.
- Explain how an author develops the point of view of the narrator or speaker in a text.
- Compare and contrast the experience of reading a story, drama, or poem to listening to or viewing an audio, video, or live version of the text, including contrasting what they "see" and "hear" when reading the text to what they perceive when they listen or watch.
- Compare and contrast texts in different forms or genres (e.g., stories and poems; historical novels and fantasy stories) in terms of their approaches to similar themes and topics.

## Sixth Grade Reading

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### Comprehension: Integration

- Compare and contrast the experience of reading a story, drama, or poem to listening to or viewing an audio, video, or live version of the text, including contrasting what they "see" and "hear" when reading the text to what they perceive when they listen or watch.
- Compare and contrast texts in different forms or genres (e.g., stories and poems; historical novels and fantasy stories) in terms of their approaches to similar themes and topics.
- By the end of the year read and comprehends literature, including stories, dramas, and poems, in the grades 6-8 text complexity band proficiently, with scaffolding as needed at the high end of the range.

### Informational Text: Key Ideas and Details

- Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
- Determine a central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.
- Analyze in detail how a key individual, event, or idea is introduced, illustrated, and elaborated in a text. (e.g., through examples or anecdotes)

## Writing

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### Text Types and Purposes

- Write arguments to support claims with clear reasons and relevant evidence.
- Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.
- Write narratives to develop real or imagined experiences or events using effective technique, relevant descriptive details, and well-structured event sequences.

## Writing

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### Production and Distribution of Writing

- Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
- With some guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.
- Use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of three pages in a single sitting.

### Research to Build and Present Knowledge

- Conduct short research projects to answer a question, drawing on several sources and refocusing the inquiry when appropriate.
- Gather relevant information from multiple print and digital sources; assess the credibility of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and providing basic bibliographic information for sources.
- Draw evidence from literary or informational texts to support analysis, reflection, and research.
- Use grade appropriate grammar and conventions in writing.

### Range of Writing

- Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.
- Reflect on writing, revise and set goals.